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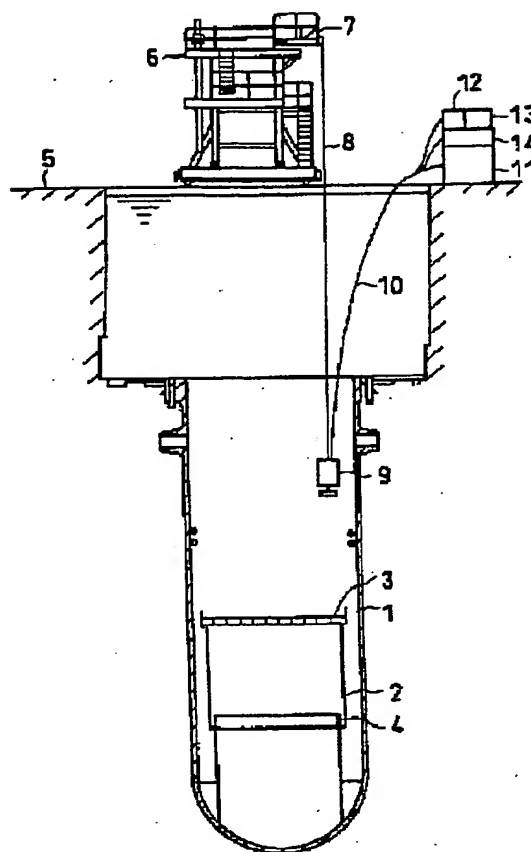
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TITLE : DEVICE FOR TESTING STUD OF
CORE SUPPORT PLATE IN REACTOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a highly reliable device for testing a stud that permits easy and steady access to it.

SOLUTION: In this device for testing studs, a controller 11, a camera controller 12, a television monitor 13 and an ultrasonic flaw detector 14 are connected to a main body 9 of the device via a cable 10. A shaft 20 is provided in the main body 9 so that it can move vertically and revolve freely, and an extendable arm mechanism 18 is mounted at the lower end of the shaft 20. A pantograph-style extendable arm 25 is mounted on the extendable arm mechanism 18, and an ultrasonic probe 28 and an underwater television camera 29 are installed at a tip of the extendable arm 25. The main body 9 is seated on a core support plate 4, and the extendable arm 25 is positioned by allowing it to circle toward a stud 15. Then, the tip of the extendable arm 25 is driven as far as a position directly below the stud 15, and an ultrasonic test is conducted by raising the tip of the arm 25 and putting the ultrasonic probe 28 into contact with the bottom face of the stud 15.

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